



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3 Pre B

In re application of:  
Masaharu NODA et al.

Appl. No. 09/920,653

Confirmation No. 6043

Filed: August 3, 2001

For: NAV2 CHANNEL GENE-DEFICIENT  
NON-HUMAN ANIMALS

Art Unit: 1362

Examiner: Not Yet Assigned

Atty. Docket No. 31671-173164

Customer No.



26694

PATENT TRADEMARK OFFICE

**Second Preliminary Amendment**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to calculation of the fees, please amend the specification as follows:

**IN THE SPECIFICATION**

On page 35, replace the paragraph beginning at line 10 with the following:

-- Next, nerve cells in dorsal root ganglia were isolated. The dorsal root ganglia were prepared from wild-type and  $Na_v2$  gene-deficient mice of 8-16 weeks of age. Nerve cells were dispersedly isolated from the dorsal root ganglia according to the method of Renganathan et al. (J Neurophysiol 84, 710-718, 2000). Before used for an ion imaging experiment, the dispersedly isolated nerve cells were cultured under the condition of the humidity of 100% and the temperature of 37°C, and with 5% of carbon dioxide, then adhered to the glass of culture plates. All nerve cells were confirmed to be  $Na_v2$ -positive by staining

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